X

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

CAMINER DOCUMENT NUMBER DATE NAME SUBCLASS CLASS 12/21/99 AA 6,003,511 Fukunaga et al. 128 202.27 YKUN AB 5 983 896 11/16/99 128 202 27 Fukunaga et al. AC 5,983,894 11/16/99 Fukunaga et al. 128 205.29 AD 5,983,891 11/16/99 Fukunaga et al. 128 200.24 10/20.1998 ΑE 5,823,184 Gross 128 204.18 5,778,872 07/14/1998 Fukunaga et al. 128 202.27 AF 5,722,391 03/03/1998 Rosenkoetter et al. 128 200.24 AG 5,715,815 2/10/1998 Lorenzen et al. 128 207.14 ΑH 204.18 5,623,922 4/29/1997 Al 128 ΑJ 5,546,930 8/20/1996 Wikefeldt 128 201.13 04/11/1995 AK 5,404,873 Leagre et al. 128 204.18 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY SUBCLASS CLASS 08/10/23 Austria 93941 AM 0 462 412 AZ 12/27/91 European Patent Office A/19/72 United Kingdom A61M 16 Patent Cooperation Treaty AO WO 85/05277 12/05/85 Thin WO 91/19527 12/26/91 AP Patent Cooperation Treaty The AQ OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) AR Andrews, J. Jeffrey, Inhaled Anesthetic Delivery, Anesthesia, Fourth Edition, pp. 185; and 203-207 Thin Byrick, R.J., et al., "Rebreathing and Co-Axial Circuits: A Comparison of the Bain and Mera F", Canad Anaesth Soc J, Vol. 28, pages 321-328 Dorsch, Jerry A., M.D., Dorsch, Susan E., M.D., Understanding Anesthesia Equipment, Chapter 7, The Circle Absorption System, pp. 201-202 and DATE CONSIDERED **EXAMINER** سيلا Terre \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ATTY DOCKET NO.

FILING DATE 26/March/2004

APPLICANT

7432-0054

U.S. PATENT DOCUMENTS

Burrow et al.

3 - REVISED 12-31-03 PTO Form 1449.wpd

\* No copy Provided

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO. 7432-00	54	APPLICATION N				
INFORMA		N DISCLOSURE STA	ATEMENT	APPLICANT Burrow	et al.				
	(036.3	everui snees y necesswy		FILING DATE 26/March/2004	FILING DATE 26/March/2004 ART UNIT 3				
				U.S. PATENT DOC	UMENTS				
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE		
Thm	BA	5,377,670	1/3/1995	Smith	128	204.17	6/19/92	•	
1Km	·ВВ	5,320,093	6/14/1994	Racmer	128	203.12	12/21/90		
1440	ВC	5,284,160	2/8/1994	Dryden	128	203.12	11/13/91		
Thun	BD	5,195,527	03/23/93	Hicks	. 128	205.12	11/18/1991	1	
Thin	BE	5,140,983	08/25/1992	Jipotti	128	207.14	8/24/90		
Thin	BF	5,121,746	06/16/1992	Sikora	128	203.12	5/29/91		
Thus	BG	5,088,486	02/18/1992	Jinotti	128	207.14	.4/11/90		
YKM	вн	4,967,744	11/06/1990	Chus	128	204,18	11/3/98 .	<b>.</b>	
Thm	Bil	4,938,210	07/02/1990	Shene	128 :	203.12	04/25/98		
LLM	BJ	4,809,706	03/07/1989	Watson et al.	600	538	3/7/89		
Thun	BK	4,637,384	06/20/1987	Schroeder ·	128	204.18	2/15/85		
I F V			L	FOREIGN PATENT D	OCUMENT	`S	<u> </u>	•	
						1	TRANSLATION		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO		
	BL			4					
	вм			· · · · · · · · · · · · · · · · · · ·					
	BN				1				
	во				1				
	BP							1	
	BQ				1			1	
			TUED DEFEDE	NCES (Including Author, Title, Date	Partinent F	Pages Fic.)	1		
	BŘ	· · · · · · · · · · · · · · · · · · ·		ung Circuit", Canad J Anaesth, Vol. 34, pa				Ι	
THU.	DK .	Portest, P.R., Detectiv	e Adiaestriene Dieau	mig Chemt , Canad J Anaesin, Vol. 34, pa	Bes 241-247 (			}	
11		0.1.01.47	Year of David and Table	0	795 (190	Δ)		1	
Thur Thur	BS	Goresky, G.V., "Bain C	ireun Denvery Tube	Obstructions", Canad J Anaesth, Vol. 37,	page 383 (133	<u> </u>		1	
1.1 1				ned D. H. Car D. Car In A. Card	2 Cana	ed departs Cop I Val	21 (1) (12 /1072)	1	
TKM	ВТ	Hannallah, K., et al., "A	nazaro Connected	With Re-Use of the Bains Circuit: A Case I	report, Cana	a rimesiii 300 J, 401.	er, pages 311-313 (17/3)	1	
			<del></del>	<del> </del>				1	
EXAMINER 3	DD AAFA	haldell		DATE CONSIDERED	6	24/05			
<i>u</i>	uvu	1800000			<del>Ч</del> (	21105		<u> </u>	

Sheet 3 of 8

FORM PTO-14	19	U.S. DEPARTMENT O		ATTY DO	OCKET NO. 7432-00	APPLICATION NO. 10/811,121				
		I DISCLOSURE STA	TEMENT	APPLICA	NT Burrow	et al.				
	{O36 3	everal sheets if necessary)	,	FILING E	FILING DATE 26/March/2004 ART UNIT 3743					
			v.s	. PATENT I	OOCUMENTS	· ·		· · .	•	
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME .	CLAS	SUBCLASS	FILING I		
This	CA	4,621,634	11/11/1986	Nowacki et s	ı,	128	204.18	1/27/84		
Thu	СВ	4,596,246	06/24/2986	Lyali	·	128	202.27	2/24/84		
1Kur	СС	4,463,755	08/07/1984	Suzuki		128	204.18	5/13/75		
Thm	CD	4,462,397	07/31/1984	Suzuki		128	200.14	4/01/82		
Tun	CE	4,391,27}	07/05/1983	Bianco	N. Control of the con	128	203.12	4/06/81		
TRM	CF	4,367,769	01/11/1983	Bain		138	114	7/17/78		
Tihun	CG	4,265,235	05/05/1981	Fukunaga	. •	128	200.24	5/11/79		
Thm	СН	4,269,194	05/26/1981	Rayburn et a	i.	128	719	5/17/79.		
1km	CI	4,232,667	11/11/1980	Chalon et al.		128	203.26	9/5/78		
1km	cı	4,188,946	02/19/1980	Watson		128	204.22	10 <i>/7/7</i> 7	·	
TKM	СК	4,007,737	02/15/1977	Paluch	•	128	188	4/7/75		
FOREIGN PATENT DOCUMENTS										
		DOCUMENT NUMBER	DATE		COUNTRY		s SUBCLASS	TRANSL		
								YES	NO	
	다/			······	···········					
	СМ								· ·	
	CN							<u> </u>		
	co ·					$\downarrow$		ļ		
	СР									
	8									
		OTHER !	REFERENCES	(Including A	ahor, Title, Date, Pertine	nt Pages, E	ic.)			
Thur	CR	Heath, P.J., et al., "Moo	lified Occlusion Tes	sts for the Bain	Breathing System", Anaesth	esia, Vol. 46	pages 213-216 (1991)			
								( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (		
TKM TKM	CS	Jererin, S. et al., "A Va	riable Deadspace De	evice for Use v	rith the Engström Respirator	', Anesihesio	logy, Vol. 34, pages 570	5-3//(19/1)		
Pun	СТ	Okazaki, et al., Effect o Dog" Anesthesiology, \	f Carbon Dioxide (I	Hypocapnia and	l Hypercapnia) on Regional i	Myocardial T	issue Oxygen Tension b	n the		
7 KM		Dog Amesinesionogy, 1	vi. 11, 110. 214 NT							
EXAMINER 3	evue	modeld			DATE CONSIDERED	6/24	105			
*EXAMINER: Ini	tial if re	ference considered, whether or	not citation is in co	nformance with	n MPEP 609; Draw line thro	igh citation i	f not in conformance and	not considered	l. Include	

FORM PTO-1	ORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO.	7432-0054	APPLICATION NO. 10/811,121				
INFORM		N DISCLOSURE STA		APPLICANT	Burrow et al	,				
	1	•		FILING DATE 26/Mar	ch/2004	ART UNIT 3743				
			U.S	. PATENT DOCUMENTS	<del></del> :					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS	SUBCLASS	FILING DATE IF APPLICABLE			
TKM	DA	3,856,051	12/24/1974	Bain	138	114 .	1/18/73			
TKM	DB	3,713,440	01/30/1973	Nicholes	128	188	1/18/71			
Ikm	DC	3,556,097	01/19/71	Wallace	128	188	9/25/69 · ·			
Then	DD	4,896,666	01/30/1998	Hinkle	128	202,13	7/6/87			
TKUR	DE	5,499,625	03/19/1996	Frass et al.	128	207.15	1/27/94			
TKM	DF	5,819,733	10/13/1998	Bertram	128	207.15	11/8/96			
Thur	DG	5,778,872	07/14/1998	Fukunaga et al.	. 128	205.29	11/18/96			
Ikm	DH	5,983,891	05/16/1999	Fukunaga et al.	128	. 205.29	7/15/98			
Then	DII	6,564,799	05/20/2003	Fukunaga et al.	. 128	205,29	3/28/01			
Thu	DI	2003/0075176	04/24/2003	Fukunaga et al.	128	203.12	9/24/2002			
TRUN	DK	US2003/0183231	10/2/2003	Pedulla et al.	128	204.18	2/6/2003			
FOREIGN PATENT DOCUMENTS										
							TRANSLATION			
		DOCUMENT NUMBER	DATE	COUNTRY	CLAS	SUBCLASS	YES NO			
	ᇟ									
	ВΜ									
	DN									
	00									
	DP									
سيد	8									
		OTHER F	REFERENCES (	Including Author, Title, Date,	, Pertinent Pages, Et	c.)				
	DR			ypocapnia and Hypercapnia) on F	Regional Myocardial Ti	sue Oxygen Tension in	Dogs with Coronary			
Phus:		Stenosis", Anesthesiolog	py, Vol. 73, No. 3A,	A549 (1990)						
	DS	Okazaki, et al., "Effect o	f Carbon Dioxide (1-	lypocapnia and Hypercapnia) on	Internal Mammary-Cor	onary Arterial Bypass C	iraft Blood Flow and			
74 h	. [	Regional Myocardial Ox	ygen Tension in the	Dog", Anesthesiology, Vol. 81, 1	No. 3A, A717 (1994)	· · · · · · · · · · · · · · · · · · ·				
1/km										
1km	та	Paterson, J.G., et al., "A Hazard Associated with Improper Connection of the Bain Breathing Circuit", Canad Anaesth Soc J, Vol. 22, pages 373-377 (1975)								
			· · · · · · · · · · · · · · · · · · ·	·						
EXAMINER J	ena	middle		DATE CONSIDE	ERED 6/2	4/05				
*EXAMINER: Inii	ial if refe	rence considered, whether or recommunication to applicant.	not citation is in conf	formance with MPEP 609; Draw	line through citation if s	ot in conformance and	not considered. Include			

<sup>3 -</sup> REVISED 12-31-03 PTO Form 1449.wpd

FORM PTO-14	149	U.S. DEPARTMENT O PATENT AND TRADE		ATTY DOCKET NO. 7432-009	DOCKET NO. 7432-0054 APPLICATION NO. 10/811,			
INFORM		N DISCLOSURE STA several sheets if necessary)		APPLICANT Burrow				
	,			FILING DATE 26/March/2004		ART UNIT 3743		•
			U.S.	PATENT DOCUMENTS		·		
*EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I	
	EA							<del></del>
	ĒΒ							-
	EC							•
	ED					1		
	EE							
	EF			$\sim$				
	EG				·			
	EH							
	EI ·			,				
	سيقر		S.	• ,	. :			. :
	EK							
,			FOREI	GN PATENT DOCUMENTS	•			
		DOCUMENT NUMBER DATE		COUNTRY	CLASS	CLIDOI ASS	TRANSL	ATION
	<u> </u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	S SUBCLASS	YES	МО
	EL							
	ЕМ							-
	EN							
-	EO		<del></del>		+=			
	EP	-		·	1			
	EQ				1			
		OTHER R	EFERENCES (I	ncluding Author, Title, Date, Pertinen	t Pages, Etc		L	•
	ER			Ed., Masby year Book, St. Louis, Misson				
TKM					-17-0			
	ES	Pontoppidan, H., et sl., "	Acute Repirator Fail	ure in the Adult", New England Journal of	Medicine, Vo	ol. 287, pages 743-752	(1972)	
Thur								
	ΕT	Robinson, S., et al., "Saf	ety Check for the CP	PRAM Circuit", Anesthesiology, Vol. 59, po	ages 488-489	(1983)		
Thm								
examiner J	em	. Natala		DATE CONSIDERED	· 6/24	165		
		ference considered, whether or r communication to applicant.	not citation is in confi	ormance with MPEP 609; Draw line throug	h citation if n	ot in conformance and	not considered.	Include

FORM PTO-14	149	U.S. DEPARTMENT OF							21			
INFORMA		N DISCLOSURE STA	ATEMENT	APPLICA	NT	Bu	rrow et	aL	:	•		
		ovares essenting successivy		FILING D	FILING DATE 26/March/2004			ART UNIT 3743				
			U.S.	PATENT I	oocu	MENTS		· ·	٠.			•
•EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NA	ME		CLAS	s	SUBCLASS		DATE JCABLE
	FA											
	FB							٠,				
	FC				•			. •	لمنا			
	FD											
	FE											
	FF			$\geq$	$\leq$							
	FG											
	FH		· · ·	,				<u></u>				
	FI							٠.				
	E4					•					<u> </u>	
	FK											
	FOREIGN PATENT DOCUMENTS											
500 1157 1170 1557 1545						NTRY		CLAS		SUBCLASS	TRANS	LATION
		DOCUMENT NUMBER	DATE		COO	NIKI		CLASS		SUBCLASS	YES	NO
	FL								$\perp$			
	FM								-+			
	FN								1			
	FO		, ,						$\top$			
	FP								7			
	FQ				<u></u>				_			
		OTHER	REFERENCES (	Including Au	thor, T	itle, Date, Po	ertinant F	Pages, E	(c.)			-
	FR	Scott, P.V., et al., "Vari	<del></del>							· · · · · · · · · · · · · · · · · · ·		
TKM				······································		······································				<u> </u>		
	FS	Shapiro, B.A., et al., "C Maintenance" (1979)	linical Application of	Respiratory (	Care", Y	earbook Medi	cal Publish	hers, Inc.	pages	351-352 ("Princi	ples of Venti	lator
TKM			<del></del>	···············		······································		-				
Thu Thu	FT	Stoyka, W., "Usefulness (1970)	s of the Suwa Nomog	gram in Patient	u in Res	piratory Fialu	re", The Co	anodian /	Anaest	hetists 'Society Jo	urnal, pages	119-128
(**												
EXAMINER 3	eevec	holder			DATE	CONSIDERE	ED	4/2	<u> </u>	05		
*EXAMINER: In	itial if re	ference considered, whether or communication to applicant.	not citation is in cont	formance with	МРЕР	609; Draw line	e through o	itation if	not in	conformance and	not considere	ed. Include

FORM PTO-14	FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE ATTY DOCKET NO. 7432-01				7432-0054	APPLICATION NO. 10/81,121				
INFORMA		N DISCLOSURE STA	TEMENT	APPLICA	NT	Burrow et	al.			•
	10353	ererui sincis y nacessary		FILING DATE 26/March/2004 ART UNIT 3743						
	**********		U.S.	PATENT D	OCUMENTS	3	,			
*EXAMINER INITIAL .		DOCUMENT NUMBER	DATE		NAME		CLASS	SUBCLASS		DATE JCABLE
	GA						•			<i></i>
	/GB						• •			
	GC			***************************************						
	GD				•			·		
	GE									
	GF		. V. ,	$\rightarrow$	$\leq$					
	GG									
	GH				·····					
	G)			· · · · · · · · · · · · · · · · · · ·						
	الان					٠.٠				
	GK									
<i></i>			FOREI	GN PATEN	r documei	NTS.			•	
		DOCUMENT NUMBER	DATE		COUNTRY CLA		CLASS	SUBCLASS	TRANS	LATION
		DOCUMENT NOMBER	DAIL					300000033	YES	NO
	GL									
	GM							+-		
	GN									
	GO									
	GP					,				
	GQ									
	l	OTHER I	REFERENCES (I	Including Au	hor, Title, Dat	te, Pertinent I	Pages, Etc	<u></u>	<b></b>	
	GR .	Suwa, K., et al., "Chang (1968)	<del></del>						Vol. 24, page	es 556-561
The		(/					1			
7	·GS	Advertisement of the CP	RAM™ Coaxial Cir	rcuits by Dryde	n Corporation, I	ndianapolis, Inc	fiana			·····
TKUN		·								
The There	GΤ	Advertisement of the AC	E Breathing Circuit	™ by the Meric	lian Medical Sy	stems, Inc., Ind	ianapolis, I	ndiana	· · · · · · · · · · · · · · · · · · ·	
	James	mitale			DATE CONSIL	DERED	i lė/	24/05		

<sup>3 -</sup> REVISED 12-31-03 PTO Form 1449.wpd

FORM PTO-1	449	U.S. DEPARTMENT ( PATENT AND TRADE	OF COMMERCE EMARK OFFICE	ATTY DOCKET NO. 7432-0054			APPLICATION N	APPLICATION NO. 10/811,121		
INFORM	ATIO	· N DISCLOSURE ST. several sheets if necessary)	ATEMENT	APPLIC	CANT Burr	ow et al.		· · · · · · · · · · · · · · · · · · ·		
	,,,,,,		i	FILING DATE 26/March/2004			ART UNIT 3743			
			U.S.	PATENT	DOCUMENTS					
*EXAMINER · INITIAL		DOCUMENT NUMBER	DATE		NAME .	CLAS	S SUBCLASS	FILING DATE		
	НА		i	-						
	AID									
	HC									
	HD									
	HE									
	HF			$\geq$	<			•		
	HG		Y.							
	нн									
	н				·					
	187				,					
	нк		·							
FOREIGN PATENT DOCUMENTS										
·		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	HL									
	ны									
	HN									
	но	12								
	HP			~~~~			$\downarrow$			
	HQ									
	•	OTHER I	REFERENCES (In	cluding A	uthor, Title, Date, Perti	nent Pages, Et				
	HR				pace is not necessary," Cor			ol. 47, No. 7, pages 623-		
TKM					····	·				
	HS		<del></del>			1				
ji s.										
	нт		<del></del>							
					· · · · · · · · · · · · · · · · · · ·					
EXAMINER	EXAMINER Jenn Wildeld Date Considered 6/24/05									
*EXAMINER: Ini	tial if ref	erence considered, whether or a communication to applicant.	not citation is in confo	rmance wit	h MPEP 609; Draw line thr			not considered. Include		

OIPE COST

OR 10-14	19	U.S. DEPARTMENT O		ATTY DOCKET NO. 7432-0054		PPLICATION N	eet 1 of 1 0. 10/811,121
		I DISCLOSURE STA	ATEMENT	APPLICANT Burrow et	al.		
		everal sheets if necessary		FILING DATE 26/March/2004	-	ART UNIT 3743	
			U.S	. PATENT DOCUMENTS	= <b>1</b>		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
TKM	EΑ	6,234,163	05/22/2001	Garrod, et al.	126	80	04/29/99
TKM	ΕB	6,672,388	01/06/2004	Esashi, et al.	138	119	12/9/99
TKM	EC	5,284,160	02/08/1994	Dryden	128	203.12	11/13/91
Tru	ED	4,593,690	06/10/1986	Sheridan, et al.	128	207.15	6/28/84
Thus	EE	5,005/613	04/09/1991	Stanley, et al.	141	45	6/8/90
TKM	EF	6,223,777	05/01/2001	Smith, et al.	138	109	10/18/99
TKM	EG	4,718,568	01/12/1988	Palu	220	86	11/12/86
The	EH	5,632,734	05/27/1997	Galel, et al.	604	282	10/10/95
	El						
	EJ						
	_EK-						
		,	FORE	IGN PATENT DOCUMENTS			
						AGG GUDGI AGG	TRANSLATION
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
TKIN	EL	81304018.5	02/09/1981	European Patent Office		_	Yes
	EM						
	-						
	EN						
	EO					1	
	EP						
	EQ					<u> </u>	
		OTHER	REFERENCES	(Including Author, Title, Date, Pertinen.	rages, Elc.	,	
	ER						
	ES						<u> </u>
	ET						
EXAMINER	ieve	Markelle		DATE CONSIDERED	46	24/05	
	<u>,                                      </u>	eference considered, whether o					

4

Sheet 1 of 1

<del></del>				,			CCC 1 01 1			
FORM PTO	PRAI	DEPARTMENT OF ATENT AND TRADE	F COMMERCE MARK OFFICE	ATTY BOCKET NO. 7432-00	54	APPLICATION NO. 10/811,121				
INFORMA	TIO	N DISCLOSURE STA	ATEMENT	APPLICANT Burrow et al.						
	(Oze z	everal sheets if necessary)		FILING DATE 26/March/2004		ART UNIT 3743				
			US	. PATENT DOCUMENTS						
*EXAMINER		DOCUMENT NUMBER	DATE		CLAS	S SUDGLASS	FILING DATE			
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS	S SUBCLASS	IF APPLICABLE			
TKUN	FA	5, 769,702	June 23,1998	Hanson	454	63	Feb 1,1996			
	FB			•						
	FC									
	FD									
	FE		· /		7					
	FF		·			·				
	fG									
	FH									
·	FI									
-	FI									
	FK									
FOREIGN PATENT DOCUMENTS										
				***************************************	T		TRANSLATION			
		DOCUMENT NUMBER	DATE	COUNTRY	CLAS	SS SUBCLASS	YES NO.			
	FL			***************************************	+					
	FM			······································	1					
ļ					+	1				
	. FN				-					
	F0				-					
	FP				<u> </u>					
18	FQ	<b></b>	<u> </u>							
	r	OTHER I	REFERENCES (	(Including Author, Title, Date, Pertine	n Pages, E	ic.)				
	FR					•				
ļ										
	FS									
						٧.				
	FT									
	_									
EXAMINER	1010.	n middle		DATE CONSIDERED	101	24/05.				
						· · · · · · · · · · · · · · · · · · ·				
EXAMINER: In	itial if re	ference considered, whether or	not citation is in co	nformance with MPEP 609; Draw line throu	gh citation if	not in conformance and	I not considered. Include			